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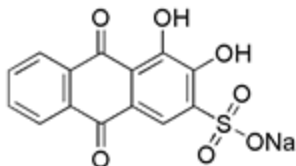
Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191



Product Specifications

Catalogue Number 22889

Product

Alizarin Red S sodium salt

3,4-Dihydroxy-9,10-dioxo-2-anthracenesulfonic acid sodium salt

CI 58005

CAS Number 130-22-3

Molecular Formula C₁₄H₇O₇SNa

Molecular Weight 342.26

Appearance Brownish yellow powder

Solubility Clear solution (1 mg/mL in H₂O)

Visual Transition Range pH 4.3 (Brilliant yellow) to pH 6.3 (Pink) and
pH 9.4 (Brown orange) to pH 12.0 (Violet)

Loss on Drying ≤ 5% (110 °C)

Dye content ≥ 72% (Spectrophotometry)

Application It is used in the biochemical assay to determine the presence of calcium.

Storage Store at RT

Additional Information Absorptivity:
 λ_{\max} 595.0 nm (0.1N NaOH): ≥ 320
 λ_{\max} 556.0 nm (0.1N NaOH): ≥ 350

For Laboratory Use Only